

PATENT ABSTRACTS OF JAPAN

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(21)Application number : 11-134523 (71)Applicant : EASTMAN KODAK CO
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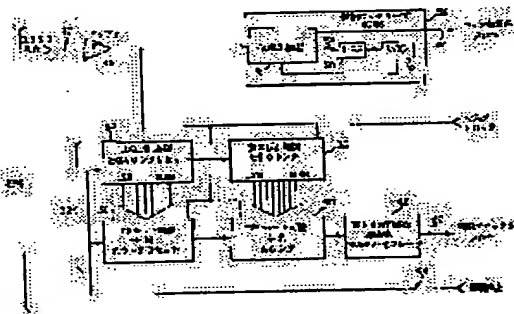
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(54) RADIO COMMUNICATION SYSTEM OPERATING IN 2.4 TO 2.5 GHz BAND

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a radio communication system which can operate with the noises caused by the cooker even when a receiver is put very close to a microwave cooker by performing the control so as to make the cooker operate in the specified ISM(industrial, scientific and medical) bands and detect a quiet period out of the microwave noises and perform its communication only in the detected quiet period.

SOLUTION: A microwave noise detection circuit 22 uses an RSSI signal sent from a receiver to produce a synchronous clock 30 and a lock detection signal 28 which are supplied to a microprocessor to control communication of data in a quiet period existing in the noises of a microwave cooker. A primary function of the circuit 22 tracks an envelope of the noises of the cooker by means of an AM detector. The signal 28 notifies the microprocessor of existence of the noise characteristic of 60 Hz of the cooker. An RSSI input signal 17 is buffered by a buffer 46 production of the signal 28.



LEGAL STATUS

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